

Assigned DOGM File No.: S/017/0052

DOGM Lead: Wayne

Permit Fee \$ 150<sup>00</sup> Ck# 1002

Task:

**STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING**

1594 West North Temple Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Telephone: (801) 538-5291 Fax: (801) 359-3940

**NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS**

The information requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program (R647). The rules and Act are available online at <http://www.rules.utah.gov/publicat/code/r647/r647.htm> and [http://le.utah.gov/~code/TITLE40/40\\_08.htm](http://le.utah.gov/~code/TITLE40/40_08.htm).

Cultural Resources Survey: To fulfill its obligations under Utah Code Annotated 9-8-404, the Division needs cultural resource (archaeology) information. The amount and type of information required will depend on the mine location, the history of previous disturbance, and other factors. Please contact the Division for further information.

A permit fee of \$150 or \$500 must accompany this application (Utah Code Ann. §40-8-7(1)(i)) and is due annually. The fee is \$150 for a mine with a disturbed area of five acres or less, and the fee is \$500 if the disturbed area is between five and ten acres.

"Small Mining Operations" are operations which have a disturbed area of ten or fewer surface acres at any time in unincorporated areas, or five acres or fewer in incorporated areas.

\*\*\*\*\*

RECEIVED

SEP 06 2011

**I. GENERAL INFORMATION** (Rule R647-3-104)

1. Name of Mine: GOLDEN EAGLE MINE DIV. OF OIL, GAS & MINING  
2. Operator Name (Legal Name): GREENTECH MINING UTAH LLC

Mailing Address: P.O. BOX 215  
City, State, Zip: HANKSVILLE, UTAH 84734  
Phone: 801-854-8369 Fax: N/A  
E-mail Address: JQUACKENBUSH@GREENTECHMINING.COM

Type of Business: Corporation (\_\_\_), LLC (☒) , Sole Proprietorship (dba) (\_\_\_)  
General Partnership (\_\_\_), Limited Partnership (\_\_\_), Individual (\_\_\_).

**Business Entity (not individuals) must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC)** If not currently registered, contact [www.commerce.utah.gov](http://www.commerce.utah.gov) to renew or apply. Business Entity #: \_\_\_\_\_

Local Business License #: No. 2695 (if required)

Issued by: County: WAYNE COUNTY or City: \_\_\_\_\_

**3. Contact Person(s):**

Registered Utah Agent (as identified with the Utah DOC) (if individual leave blank):

Name: MATTHEW NEHER Title: \_\_\_\_\_  
Address: P.O. BOX 215  
City, State, Zip: HANKSVILLE, UTAH 84734  
Phone: 650-520-0517 Fax: N/A  
E-mail Address: MNEHER@GREENTECH MINING.COM



**1.3. Contact Person(s) (continued):**

This person to be notified for: permitting ( ☒ ) surety ( ☒ ) (check all that apply)

Name: Kim E. Wilson Title: \_\_\_\_\_

Address: P.O. Box 215

City, State, Zip: HANKSVILLE, UTAH 84734

Phone: 801-854-8369 Fax: \_\_\_\_\_

Emergency, Weekend, or Holiday Phone: SAME -

E-mail Address: KEWILSON50@GMAIL.COM

This person to be notified for: permitting ( ☐ ) surety ( ☐ ) (check all that apply)

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Emergency, Weekend, or Holiday Phone: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**4. If Business is a Sole Proprietor (dba) or Individual:**

Name of Owner: \_\_\_\_\_ Title: \_\_\_\_\_

Business Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**If Business is a Corporation:**

Name of Officers: \_\_\_\_\_ Title: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Headquarters Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

**If Business is a Limited Liability Company: Member Managed ( ☒ ) Manager Managed ( ☐ )**

Name of 1<sup>st</sup> Member/Manager: MATTHEW NEHER Title: PRESIDENT

Business Address: P.O. Box 215 3150 S. 1150 E.

City, State, Zip: HANKSVILLE, UTAH 84734

Phone: 650-520-0517 Fax: -

E-mail Address: MNEHER@GREENTECHMINING.COM

Name of 2<sup>nd</sup> Member/Manager: JOHN QUACKENBUSH Title: Director operations

Business Address: P.O. Box 215

City, State, Zip: HANKSVILLE, UTAH 84734

Phone: 415-830-1410 Fax: \_\_\_\_\_

E-mail Address: JQUACKENBUSH@GREENTECHMINING.COM

**If Business is a Partnership:**

Names of Partners: \_\_\_\_\_

Business Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_



5. **Ownership of Land Surface:**

Private (Fee) ☐ BLM ☒ US Forest Service ☐  
 State Trust Land/School Sections ☐ State Sovereign Lands ☐  
 Other (please describe):

Name GREENTECH MINING Address HANKSVILLE, UT  
 Name \_\_\_\_\_ Address \_\_\_\_\_  
 Name \_\_\_\_\_ Address \_\_\_\_\_  
 Name \_\_\_\_\_ Address \_\_\_\_\_

6. **Ownership of Minerals:**

Private (Fee) ☐ BLM ☒ US Forest Service ☐  
 State Trust Land/School Sections ☐ State Sovereign Lands ☐  
 Other (please describe):

Name GREENTECH MINING Address HANKSVILLE, UT  
 Name \_\_\_\_\_ Address \_\_\_\_\_  
 Name \_\_\_\_\_ Address \_\_\_\_\_  
 Name \_\_\_\_\_ Address \_\_\_\_\_

BLM Claim Number(s): UMC 413213 through UMC 413309  
 Utah State Lease Number(s): \_\_\_\_\_  
 BLM/USFS Lease or Project File Number(s): \_\_\_\_\_

Name of Lessee(s): \_\_\_\_\_

7. **Have the above surface and mineral owners been notified in writing?** Yes ☒ No \_\_\_\_\_  
 If no, why not? \_\_\_\_\_

8. **Does the Entity have legal right to enter and conduct mining operations on the land covered by this notice?** Yes ☒ No \_\_\_\_\_

*Please be advised that if State Trust Lands are involved, notification to the Division of Oil, Gas and Mining alone does not satisfy the notification requirements of Mineral Leases upon State Trust Lands. Exploration or mining activity on State Trust Lands requires a minimum of 60 days notice to the Trust Lands Administration prior to commencing any activities. Please contact the School Institutional Trust Lands Administration (SITLA) at (801) 538-5508 for notification requirements.*

II. **PROJECT LOCATION & MAP** (Rule R647-3-105)

1. **Project Location & Map** (legal description):

County(ies): GARFIELD  
NW 1/4, of NE 1/4, of NE 1/4, Section: 29 Township: 31-S Range: R-11-E  
 \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4, Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
 \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4, of \_\_\_\_\_ 1/4, Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
 UTM East: \_\_\_\_\_ (if known) UTM North: \_\_\_\_\_ (if known)  
 Name of Quad Map for Location: RAGGY CANYON, UTAH

2. **Is the project within an incorporated area?** ( ) Yes ( ☒ ) No  
 If yes, what is the town or city? \_\_\_\_\_



3. **Location and Operations maps** must be plotted at a scale to accurately identify locational landmarks and operations details. All maps must include a north arrow, scale, appropriate labels, and title box including the mine name, township, range and section.
  - a. The **general location map** must be the scale of a USGS 7.5 minute series map or equivalent (1"=2000') and identify new or existing access roads.
  - b. The **operations map** (1"=200' or other scale as determined necessary by the Division) must be labeled and identify:
    - i. The area to be disturbed;
    - ii. The location of any existing or proposed operations including access roads, drill holes, trenches, pits, shafts, cuts, or other planned activities; and
    - iii. Any adjacent previous disturbance for which the operator is not responsible.(Contact the Division for a list of consultants and land surveyors for mapping assistance.)
4. The proposed (5 acre or less) disturbed area (including access/haul roads) should be marked ON THE GROUND with metal T-Posts (or with some other marker of equal effectiveness). Markers should be appropriately spaced so that the next marker in either direction is clearly visible with the naked eye.

III. **OPERATION PLAN** (Rule R647-3-106)

1. **Type of mining:** Surface (☒) Underground (☐)
2. **Mineral(s) to be mined:** GOLD - PRECIOUS METALS
3. **Amount of material to be extracted, moved, or proposed to be moved:** 100 TON PER hour GRAVEL SCREENING AND DRY CONCENTRATION OPERATION
4. Will any **water, liquid chemicals, reagents, or other solutions** be used, produced or discharged as part of the mining or milling process? Yes (☐) No (☒) If yes, please describe (add extra pages if needed): \_\_\_\_\_
5. Provide a brief **description of the proposed mining operation**, and onsite processing facilities (add extra pages if necessary). STANDARD GRAVEL SCREENING AND CLASSIFICATION OPERATION - 200' X 800' SURFACE DISTURBANCE USING STANDARD SURFACE STEP DOWN TERRACE TECHNIQUE. ALL MOBILE SCREENING OPERATIONS WHICH INCLUDE EXCAVATOR, RUBBER TIRE LOADER, BULLDOZER AND TRANSPORT TRUCKS - USE OF DRY ORE CONCENTRATION AND CRUSHING MOBILE MACHINE
6. (☒) **New Road(s):** Length 80 (ft), Width 10 (ft)
7. (☐) **Improved Road(s):** Describe improvements that need to be made to existing roads to access the site, including the Length \_\_\_\_\_ (ft) and Width \_\_\_\_\_ (ft) of new disturbances.  
GENERAL MAINTENANCE TO EXISTING MAIN ACCESS ROAD WHICH IS COUNT MAINTAINED
8. Total project surface **acreage to be disturbed:** 3.67 (acres) PLEASE SPECIFY EXACT ACREAGE (this will be used to determine surety bond amount - see #VI).
9. Proposed **startup date** (month, year): OCTOBER 2011
10. Proposed **completion**, if known (month, year): JULY 2012



**V. VARIANCE REQUEST** (Rule R647-3-110)

**Any variance must be approved writing *in advance* by the Division**

Any planned deviations from Rules R647-3-107, Operation Practices, R647-3-108, Hole Plugging Requirements, or R647-3-109, Reclamation Practices, as summarized above (see IV. Operation and Reclamation Practices Item # 1-14), should be identified below listing applicable rule number. Give justification for the variance(s) and alternate methods or measures to be utilized to meet the intent of the rule. Written approval from the Division will be given, if the proposed alternative methods to be used are consistent with the Act.

**Are variances being requested? Yes ( ☐ ) No ( ☒ )**

Variance Requested

Item #                      Applicable Rule

Justification: \_\_\_\_\_

Alternate methods or measure to be utilized: \_\_\_\_\_

Attach additional page(s) if more variances are requested.

**VI. SURETY** (Utah Code Ann. §40-8-7(1)[c])

**A reclamation contract and surety must be provided to and approved by the Division prior to commencement of operations. No surface disturbance is authorized until the surety is posted and approved in writing.** The surety may be provided in the form of a certificate of deposit, a letter of credit, a surety bond, or cash. Please contact the Division for further information about submitting the surety. All mining operations are required to furnish and maintain reclamation surety to guarantee that the land affected is reclaimed (Utah Code Ann. §40-8-7(1)[c]).

The reclamation surety amount is based on the nature, extent and duration of operations. The amounts are based on data from current large mine surety and are used as a general guide, along with actual site conditions. Reclamation surety for small mines is reviewed every three (3) or five (5) years and adjusted as necessary for inflation/deflation based upon acceptable Costs Index. **Contact the Division for the dollar amount required for a three (3) or five (5) year period for this project.**



**VIII. SIGNATURE REQUIREMENT**

**CERTIFICATION**

I state under penalty of perjury under the laws of the state of Utah and the United States of America that:

- a. I have read this form and declare the information, statements and/or documentation are true, correct and complete to the best of my knowledge and belief; AND
- b. I commit to the reclamation of the aforementioned small mining project as required by the Utah Mined Land Reclamation Act (40-8) and the rules as specified by the Board of Oil, Gas and Mining.
- c. **This certification must be signed by:** (1.) an executive officer if the applicant is a corporation; (2.) a partner if applicant is a partnership (general or limited); (3.) the owner if applicant is a sole proprietorship; **or** (4.) the member or manager if applicant is a limited liability company.

Signature: \_\_\_\_\_

*Matthew Neher*

Date: \_\_\_\_\_

*8-26-11*

Name (typed or printed): \_\_\_\_\_

*MATTHEW NEHER*

Title/Position (if applicable): \_\_\_\_\_

*CEO*





## **MINING UTAH LLC**

### **GOLDEN EAGLE MINE**

#### **MINING AND RECLAMATION PROCEDURES**

The Golden Eagle mine has been designed by Greentech Mining Utah LLC to begin small mine production levels of simple alluvial flow gravels from the Crescent Creek or Eagle Bench area of the historic gold producing Henry Mountain gold trend. Surface testing has identified feasible grade gold tonnage reports and verified consultant findings from past or historic sample programs implemented by previous owners of the mining claim groupings.

The proposed surface mine is located within the North East  $\frac{1}{4}$  of section 29 -T-31-South, R-11-East, Raggy Canyon, Utah quadrangle, USGS 7.5 minute mapping, Henry Mountains, Utah. The proposed excavation would encompass a 200' x 800' target zone which converts to 3.67 acres. (Please refer to attached mapping for close look detail).

The surface mine would be located within the Golden Eagle #90, and 91 claims which have assigned UMC 413302, and UMC413303 identification numbers. Mining would be conducted using standard mobilized screening trailer mounted plants set at 100 tons per hour in all primary and secondary units. Gold concentration is achieved by using our dry Aerosort cyclonic unit which further classifies fine particle silica and gold using basic gravity concentration methodology. At this location which is arid but not dry enough on a continuous feed basis for concentration without drying, we will deploy a continuous feed ore drying plant which will remove moisture percentages from freshly mined alluvial gravels prior to concentration of precious metal bearing concentrate products. The mine will require use of heavy equipments which will consist of (1) rubber tired loader with a capacity of an 8 yard bucket, (1) bulldozer unit as large as a D-9 Caterpillar, and (1) track mounted excavator in the size range of a 345 caterpillar. Surface mine support equipments will most likely also be deployed from time to time which may include road maintenance equipments and transport trucks, and water trucks for dust control.

Mining and excavations will use standard drop down terrace procedures with terraces reaching a maximum depth of 15 feet and a slope ratio of 0.5 to 1.0.



### **Mining cont....**

The total depth of the excavation would reach 50 feet which has been estimated, however in our past experiences with these types of alluvial flows we find bedrocks contain dips and spurs which may reach additional depths of 10 to 15 feet which would elevate the total depth of the proposed excavation to a possible 65 feet.

Geology has described the bedrocks present on site as entrada sandstone members which are harder based sandstones and would provide a definite bottom or drop to the surface mine target alluvial materials.



**Typical mobile Power screen plant**

Mineralogy testing supports findings of gold values contained within the alluvial flow rock at a size range from 3/8" to minus 50 micron. This would indicate that deployments of standard mobile crushing units may be implemented into the circuit flow chart prior to the ore drying machine and the Aerosort cyclone concentrator.



**Aerosort cyclonic concentrator**



### Mining cont...

Usage of the dry concentrating technologies allows for top standards in low cost mining and reclamations, and also low transport costs associated with marketing of the product. The anticipated yield from this process reflects the concentrate ratio between head ore on the ground to concentrates collected by the system. Previous consulting done by Western States consulting and New Paradigm Technologies concur that average concentrate to head ore averages a 225 ton to 1 ton ratio. Once concentrates in fine materials have been collected, the product would be transported off site and sold to processing facilities.

This type process also allows for immediate reclamation as the mine advances along its permitted surface perimeter. We believe costs will be dramatically reduced by utilizing the deployed mining equipments for reclamation simultaneously as the mine advances.

### Reclamation program

Mining consists of a simple screening, drying, and limited crushing procedure, with small particle fines being gravity separated removing all precious metals and irons from the alluvial flow. Technicians have determined that gold may also be contained within the rock from a size range of 3/8" to a 50 micron particle size.

This means that the operation will produce more fine materials for reclamations and re-soilation than is actually available within the alluvial flow at present. Along Crescent Creek or the adjacent Eagle Bench area, there occur very little natural top soils. We would first scrape all of the existing top soil present within the target area and stack this limited material for use as top soils in the reclamation plan. Topsoil stockpiles would be located at the north east corner of the proposed permit area. Excavation of this area would precede the topsoil stack.



Survey taking bearings



### Reclamations cont...

The reclamations planning has called for equipments to first excavate and stack gravels or head ore materials from sections which are labeled as phase 1,2,3 and 4 on the reclamation site plan which is attached. Excavators will first take phase 1 which is a 100 foot x 200 foot quarter of the proposed mine excavation. This material would be stacked neatly on top of ore grade materials in the south quarter area and ahead of the screening operation. This removal of gravel ores would then allow clean level access for stockpile of, first topsoil materials for reclamations and then oversize gravels blended with finer materials discharged from the screening operation.

The Henry Mountains and particularly the Eagle Bench area offer very little top soil at surface. Alluvial flow rock materials which are predominantly monzonite granites are visible at surface and are surfacing within the entire target mine area. Area vegetation consists of sage and small amounts of grass only. This area lies within a previously railed or chained study area conducted by BLM in the past and all cultural resource study should be complete on the site plan area.

Due to the fact that there are shortfalls of fine materials present at surface naturally, we believe the mine cycle in conjunction with this bold approach for the reclamations planning, will enhance and improve the existing eco system for the area and if properly seeded and maintained, will improve habitat for all grazing allotments and wildlife for this area and all future areas utilizing this reclamations program, as we expect to blend fine screen discharge materials and enhance the top 24 inches of all reclamation areas.





GREENTECH MINING UTAH LLC  
PO BOX 215  
HANKSVILLE, UTAH 84734

#### MINING AND RECLAMATIONS SITE PLAN

Phase 1 will include topsoil excavation at both phase 1 area and the screen plant site. Then all topsoil will be placed within the phase 1 top soil stack area.

Screen plants will then be set within the screen plant area.

Screening of ores will commence utilizing the phase 2 area and the ore stockpile area.

Once Phase 2 has been mined the reclamation of phase 2 area will begin in conjunction with mining the next phase 3 area and the blue surface mine area.

Crews will flip flop mining and reclamation duties while the equipments are on site and during the mining sequence instead of after all mining has terminated.

Fines from the top soil area and additional small particle fines ejected from the screening plant will be tested and monitored for use as top soil in reclamations.

Utilizing this technique allows for immediate monitoring of seeding and re-vegetation programs during the mine cycle.

SURFACE MINING	PHASE 4
SURFACE MINING	PHASE 3
ORE STOCKPILE	PHASE 2
SCREEN PLANT SITE	TOP SOIL STOCKPILE PHASE 1

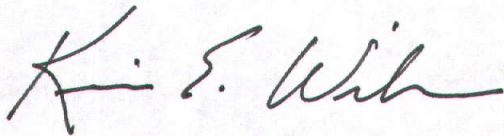


The above mine and reclamations plan is very simple and forthright. Our exploration surface testing program continues on site and as we have provided our claims mapping diagrams within this package, you can see we are dealing with a very large claim group and a very large alluvial flow reserve.

Please consider our permit proposal and as always you may call or visit the mine site or our office with any questions you may have.

I have copied our new BLM representative, Mr. John Reay of the Hanksville field office, and will deliver this application to him also. We would ask for a quick response to this particular application as we are going into the fall season and would like to begin setting infrastructure and pre grade work as soon as possible.

Again thank you for your time and considerations,

A handwritten signature in black ink, appearing to read "Kim E. Wilson". The signature is fluid and cursive, with the first name "Kim" being the most prominent.

Kim E. Wilson

General Mine Manager

Greentech Mining Utah LLC

PO Box 215

Hanksville, Utah 84734

801-854-8369

cc. John Reay BLM Hanksville, Utah field office

cc. Matthew Neher CEO GMU



GREENTECH MINING UTAH LLC  
P.O. BOX 215  
HANKSVILLE, UTAH 84734  
801-854-8369

GOLDEN EAGLE MINE  
200 FEET X 800 FEET

Main Eagle Bench access road

map index  
1" = 2000 feet  
RAGGY CANYON UTAH  
7.5 MINUTE USGS QUAD

NORTH

S U N T A I N S

Granite

Wash

Butler

Crescent

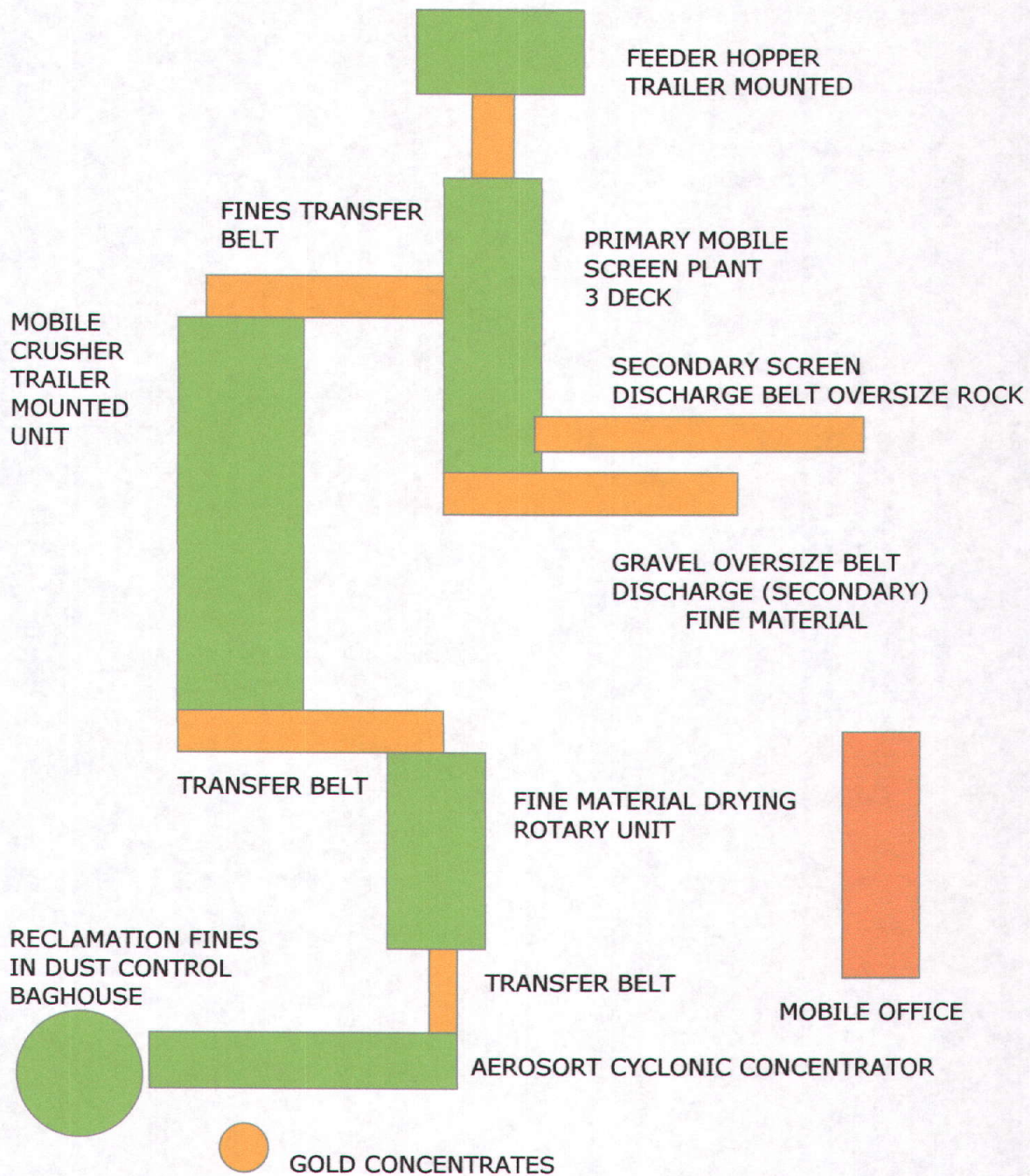
Prospect Creek

Lecleed Spring

Prospect



GREENTECH MINING UTAH LLC  
PO BOX 215  
HANKSVILLE, UTAH 84734  
801-854-8369





GREENTECH MINING UTAH LLC

GOLDEN EAGLE SURFACE MINE

XX

XXXXXX

XXXXXX

XXXXXX



200' X 800' SURFACE MINE EXCAVATION ---3.64 ACRES

# ALLUVIAL GRAVEL SCREENING AND RECLAMATION

GREENTECH MININ  
PERIMETER LINE

MAIN ACCESS ROAD  
GARFIELD COUNTY  
RIGHT OF WAY

EAGLE BENCH

BLM RANGE  
ALLOTMENT FENCE



FILE 250817 BK(0457 P1 0839

**GOLDEN EAGLE MINE  
CLAIMS**

JUN 21 2011  
 BUREAU OF  
 LAND MANAGEMENT

UNC413213 UNC413309